



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

SIW Impact Windows, LLC  
975 S. Congress Avenue, # 102  
Delray Beach, FL 33445

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION: Series "200 StormSafe" Aluminum Horizontal Sliding Window – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. W07-28, titled "S-200 StormSafe Alum. Horiz. Rolling Wdw. (L.M.I.)", sheets 1, 1.1, 2, and 3 through 8 of 8, dated 04/24/07, with revision F dated 05/03/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises and renews** NOA No. 15-0102.01 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



*Handwritten signature and date:*  
8/2/17

NOA No. 17-0717.03  
Expiration Date: August 01, 2022  
Approval Date: August 10, 2017  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

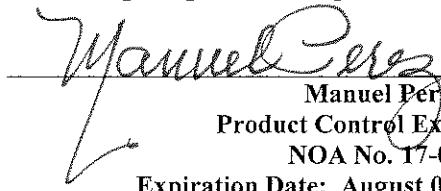
1. Manufacturer's die drawings and sections.
2. Drawing No. **W07-28**, titled "S-200 StormSafe Alum. Horiz. Rolling Wdw. (L.M.I.)", sheets 1, 1.1, 2 and 3 through 8 of 8, dated 04/24/07, with revision **E** dated 06/01/15, prepared by Al-Farooq Corporation, signed, sealed by Javad Ahmad, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94  
5) Large Missile Impact Test per FBC, TAS 201-94  
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a series 200 aluminum horizontal rolling window, prepared by Blackwater Testing, Inc., Test Reports No. **BT-SIW-14-017E**, dated 09/25/14 and **BT-SIW-14-017F**, dated 09/22/14, signed and sealed by Yamil Gerardo Kuri, P.E. (*Submitted under previous NOA No. 15-0102.01*)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94  
along with marked-up drawings and installation diagram of a series 200 aluminum horizontal rolling window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-06-4085**, **HETI-06-4086**, **HETI-06-4087**, **HETI-06-4094** and **HETI-06-4179**, dated 02/26/07 and 07/25/07, all signed and sealed by Rafael E. Droz-Seda, P.E. (*Submitted under NOA's No. 07-0511.10 and 07-0813.05*)
3. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of a series 200 aluminum horizontal rolling window, prepared by Hurricane Engineering & Testing, Inc., Test Reports No. **HETI-06-4089**, **HETI-06-4090**, **HETI-06-4092**, **HETI-06-4095**, **HETI-07-4126** and **HETI-07-4282**, dated 02/26/07 and 07/25/07, all signed and sealed by Rafael E. Droz-Seda, P.E.  
(*Submitted under NOA's No. 07-0511.10 and 07-0813.05*)

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC 5<sup>th</sup> Edition (2014)**, dated 12/29/14, with revision dated 06/01/15 and updated to the **FBC 6<sup>th</sup> Edition (2017)** on 06/30/17, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with **ASTM E1300-09**

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 17-0717.03  
Expiration Date: August 01, 2022  
Approval Date: August 10, 2017

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **16-1117.01** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 01/19/17, expiring on 07/08/19.
2. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their “**SentryGlas® (Clear and White) Glass Interlayers**” dated 06/25/15, expiring on 07/04/18.
3. Notice of Acceptance No. **14-0423.17** issued to **Eastman Chemical Company (MA)** for their “**Saflex Clear and Color Glass Interlayers**” dated 06/19/14, expiring on 05/21/16.
4. TREMCO Part No. **Vulkem 116 LV White Polyurethane Sealant** complying with ASTM C1183- 0.135-0.169fl.oz./min., ASTM C661- ±40 A, ASTM C1246- PASS-6 Hrs., ASTM C679- 30 Hrs., ASTM C510- No Stain, ASTM C794 Aluminum 18-22 PLI, Concrete 20-25 PLI AND Brick 19-23 PLI, ASTM C793- PASS, ASTM C719- ±25% and ASTM D412- 150-200 PSI.

**F. STATEMENTS**

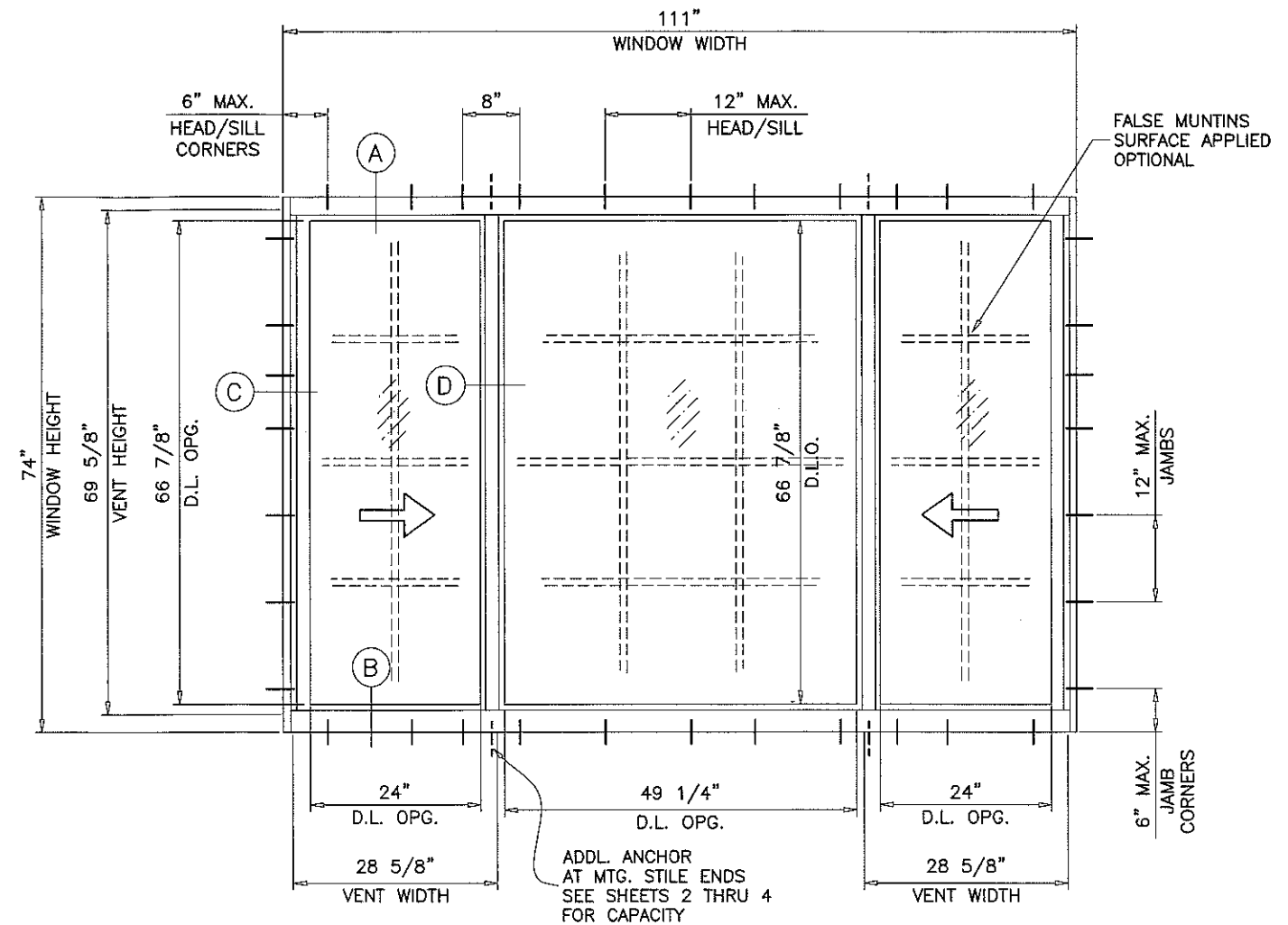
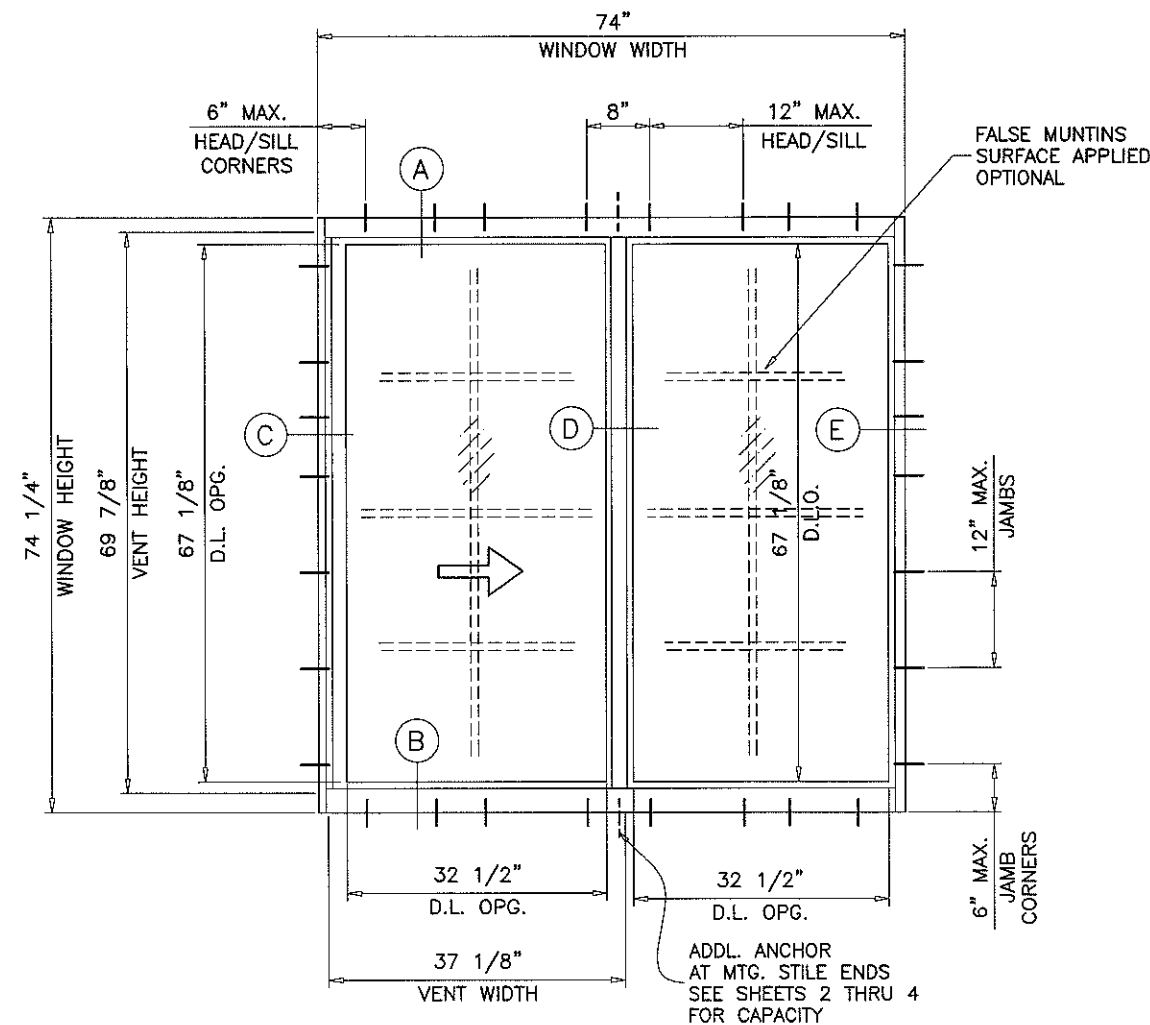
1. Statement letter of conformance, complying with **FBC 6<sup>th</sup> Edition (2017)**, and of no financial interest, dated 06/30/17, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
2. Laboratory compliance letter for Test Reports No. **BT-SIW-14-017E**, dated 09/25/14 and **BT-SIW-14-017F**, dated 09/22/14, issued by Blackwater Testing, Inc., both signed and sealed by Yamil Gerardo Kuri, P.E.  
*(Submitted under previous NOA No. 15-0102.01)*
3. Proposal issued by the Product Control Section, dated 09/19/14, signed by Jaime D. Gascon, P.E. *(Submitted under previous NOA No. 15-0102.01)*
4. Laboratory compliance letter for Test Reports No. **HETI-06-4085, HETI-06-4086, HETI-06-4087, HETI-06-4089, HETI-06-4090, HETI-06-4092, HETI-06-4094, HETI-06-4095, HETI-06-4179, HETI-07-4126 and HETI-07-4282**, issued by Hurricane Engineering & Testing, Inc., dated 02/26/07 and 07/25/07, all signed and sealed by Rafael E. Droz-Seda, P.E.  
*(Submitted under NOA's No. 07-0511.10 and 07-0813.05)*

**G. OTHERS**

1. Notice of Acceptance No. **15-0102.01**, issued to SIW Impact Windows, LLC for their Series “200 StormSafe” Aluminum Horizontal Sliding Window – L.M.I.”, approved on 06/18/15 and expiring on 08/01/17.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 17-0717.03

Expiration Date: August 01, 2022  
Approval Date: August 10, 2017



TYPICAL ELEVATIONS

# SERIES 200 STORMSAFE ALUMINUM HORIZONTAL SLIDING WINDOW

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF H.S./H.S. OR HORIZONTAL SLIDING WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

DESIGN LOAD RATING FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 2 THRU 4.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2017 (6TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

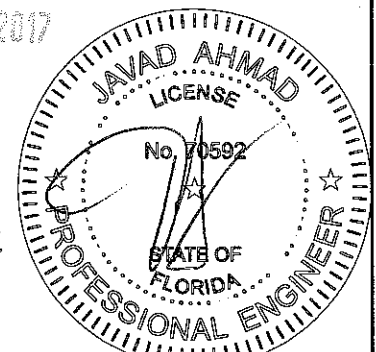
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2017 FLORIDA BUILDING CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, I.E. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 17-0717.03  
Expiration Date Aug 1, 2022  
By Manuel Perez  
Miami/Dade Product Control



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173 (C.A.N. 3538)  
TEL. (305) 262-8100 FAX. (305) 262-8978  
COMP-ANL W07-28SIW

S-200 STORMSAFE ALUM HORZ. ROLLING WDW. (L.M.I.)

**SIW IMPACT WINDOWS, LLC.**  
975 S. CONGRESS AVE. #102  
DELRAY BEACH, FL. 33445  
TEL. (561) 274-9392 FAX. (561) 274-9262

revisions:		by description	
no	date	no	description
C	01.17.12	1	UPDATED TO 2010 FBC
D	12.26.14	2	GENERAL REVISION
E	06.01.15	3	NO CHANGE THIS SHEET
F	05.03.17	4	EDITORIAL CHANGES

date: 04-24-07

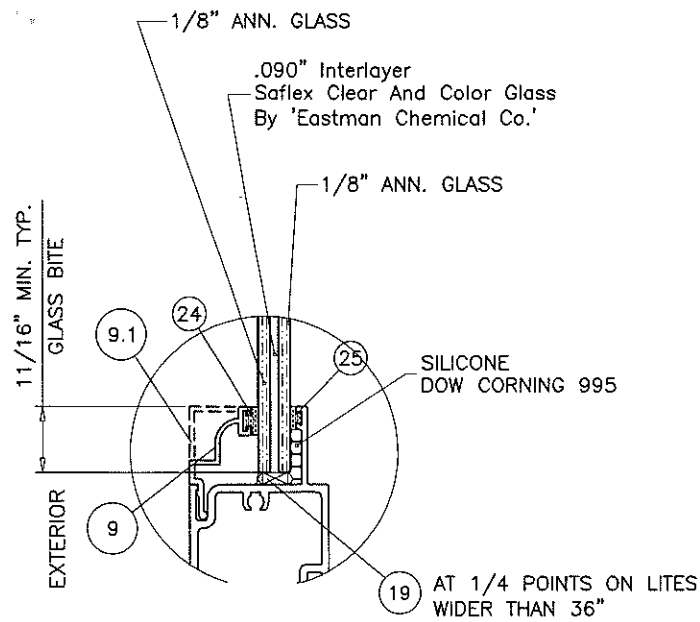
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dr. by: TARIQ

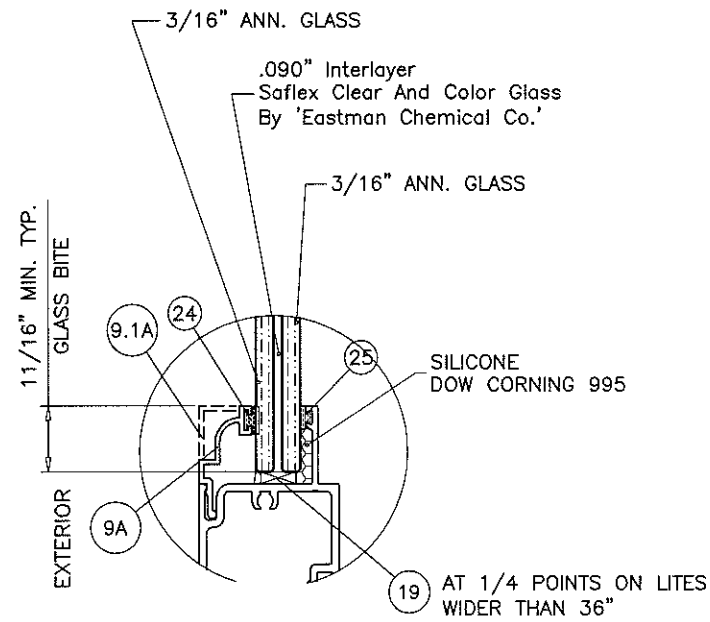
chk. by:

drawing no.  
**W07-28**

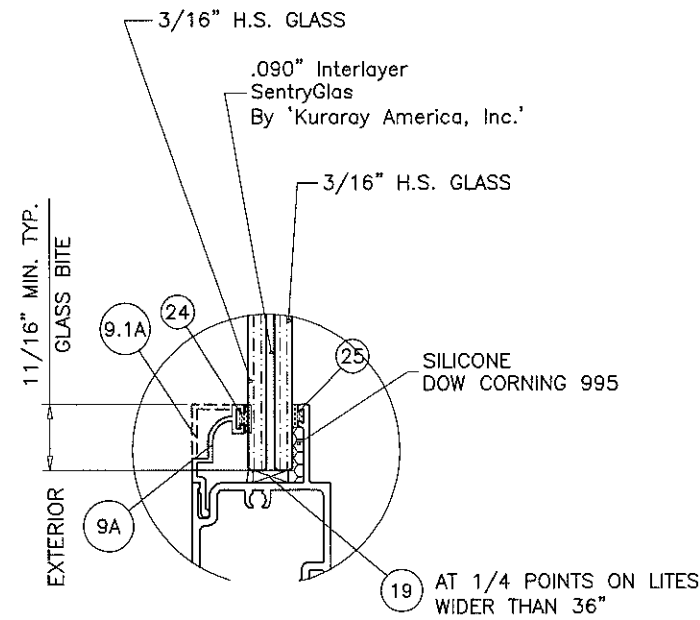
sheet 1 of 8



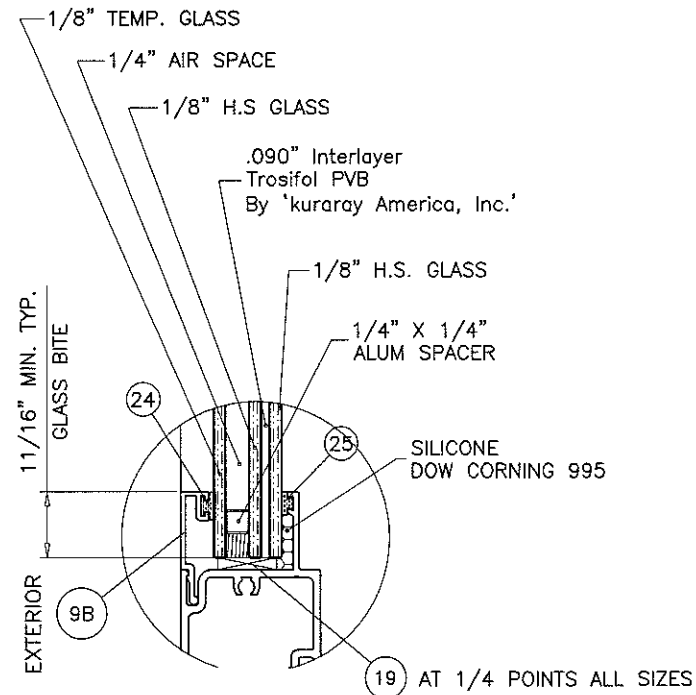
**GLASS TYPE 'A'**  
11/32" OVERALL



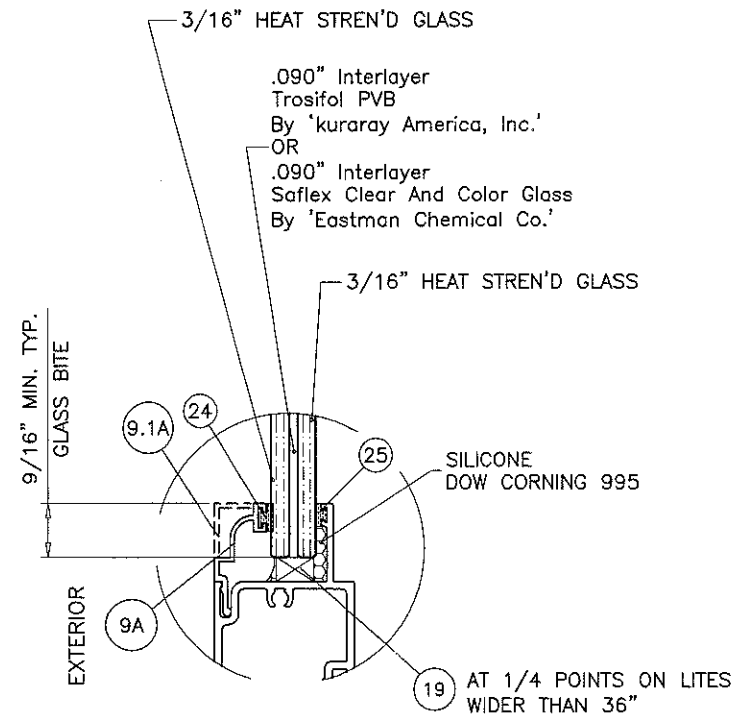
**GLASS TYPE 'B'**  
15/32" OVERALL



**GLASS TYPE 'C'**  
15/32" OVERALL



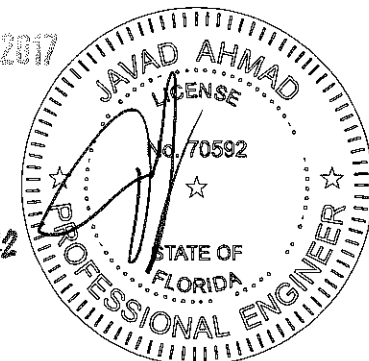
**GLASS TYPE 'D'**  
11/16" OVERALL



**GLASS TYPE 'E'**  
7/16" OVERALL

**GLAZING OPTIONS**

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 19-0717.03  
Expiration Date Aug. 1, 2022  
By *Manuel Jara*  
Miami Dade Product Control



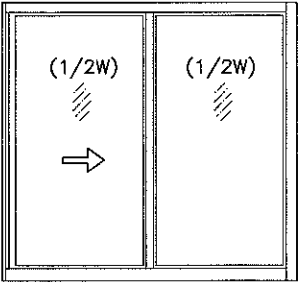
**afC**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173 (C.A.N. 3538)  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP--ANL\W07-28SIW

S-200 STORMSAFE ALUM HORIZ. ROLLING WDW. (L.M.I.)  
**SIW IMPACT WINDOWS, LLC.**  
975 S. CONGRESS AVE. #102  
DELRAY BEACH, FL. 33445  
TEL. (561) 274-9392 FAX. (561) 274-9262

revisions:		by	description
no	date		
D	12.26.14		GENERAL REVISION
E	06.01.15		NO CHANGE THIS SHEET
F	05.03.17		EDITORIAL CHANGES

date: 04-24-07  
scale: -  
dr. by: TARIQ  
chk. by:  
drawing no.  
**W07-28**  
sheet 1.1 of 8

DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)											
WINDOW DIMS.		W/O STEEL REINFORCING						WITH STEEL REINFORCING			
		GLASS TYPE 'A'		GLASS TYPES 'B' & 'D'		GLASS TYPE 'E'		GLASS TYPE 'C' *		GLASS TYPE 'C' *	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
24"	24"	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
36"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
48"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
60"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
72"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
24"	36"	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
36"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
48"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
60"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
72"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
24"	48"	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
36"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
48"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
60"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
72"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
84"		-	-	-	-	70.0	70.0	-	-	-	-
90"		-	-	-	-	70.0	70.0	-	-	-	-
96"		-	-	-	-	70.0	70.0	-	-	-	-
24"	60"	-	-	70.0	70.0	70.0	70.0	80.0	100.0	-	-
36"		-	-	70.0	70.0	70.0	70.0	80.0	100.0	-	-
48"		-	-	70.0	70.0	70.0	70.0	80.0	100.0	-	-
60"		-	-	70.0	70.0	70.0	70.0	80.0	100.0	-	-
72"		-	-	70.0	70.0	70.0	70.0	80.0	100.0	-	-
84"		-	-	-	-	70.0	70.0	-	-	-	-
24"	72"	-	-	-	-	-	-	80.0	100.0	-	-
36"		-	-	-	-	-	-	80.0	100.0	-	-
48"		-	-	-	-	-	-	80.0	100.0	-	-
60"		-	-	-	-	-	-	80.0	88.0	-	-
72"		-	-	-	-	-	-	77.9	77.9	80.0	100.0
26-1/2"	26"	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
37"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
53-1/8"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
74"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
26-1/2"	38-3/8"	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
37"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
53-1/8"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
74"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
26-1/2"	50-5/8"	70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
37"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
53-1/8"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
74"		70.0	70.0	70.0	70.0	70.0	70.0	80.0	100.0	-	-
84"		-	-	-	-	70.0	70.0	-	-	-	-
90"		-	-	-	-	70.0	70.0	-	-	-	-
96"		-	-	-	-	70.0	70.0	-	-	-	-
26-1/2"	63"	-	-	70.0	70.0	70.0	70.0	80.0	100.0	-	-
37"		-	-	70.0	70.0	70.0	70.0	80.0	100.0	-	-
53-1/8"		-	-	70.0	70.0	70.0	70.0	80.0	100.0	-	-
74"		-	-	70.0	70.0	70.0	70.0	80.0	94.2	-	-
84"		-	-	-	-	70.0	70.0	-	-	-	-
26-1/2"	74"	-	-	-	-	-	-	80.0	100.0	-	-
37"		-	-	-	-	-	-	80.0	100.0	-	-
53-1/8"		-	-	-	-	-	-	80.0	92.7	-	-
74"		-	-	-	-	-	-	73.5	73.5	80.0	100.0
WITH ADDL. ANCHOR AT MTG. STILE ENDS											

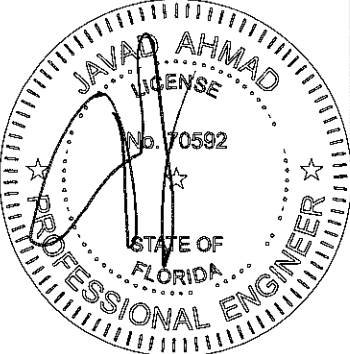


OPERATING VENTS TO BE 1/2 OF THE WINDOW WIDTH  
XO OR OX

\* APPLIED SILL RISER (ITEM #25) REQUIRED WHEN EXT.(+) PRESSURE EXCEEDS 70.0 PSF ONLY.

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 17-0717.03  
Expiration Date Aug. 1, 2022  
By *Manuel Perez*  
Miami Dade Product Control



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 262-6978  
FAX. (305) 264-8100

S-200 STORMSAFE ALUM. HORIZ. ROLLING WDW. (L.M.I.)

**SIW IMPACT WINDOWS, LLC.**  
975 S. CONGRESS AVE. #102  
DELRAY BEACH, FL. 33445  
TEL. (561) 274-9392 FAX. (561) 274-9262

revisions:

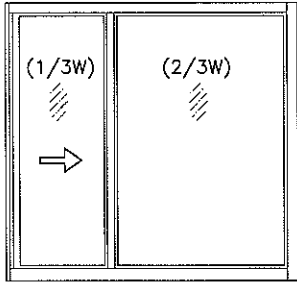
no.	date	by	description
C	01.17.12		UPDATED TO 2010 FBC
D	12.26.14		GENERAL REVISION
E	06.01.15		NO CHANGE THIS SHEET
F	05.03.17		EDITORIAL CHANGES

date: 04-24-07  
scale: -  
dr. by: TARIQ  
chk. by:

drawing no.  
**W07-28**  
sheet 2 of 8

DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)									
WINDOW DIMS.		W/O STEEL REINFORCING				WITH STEEL REINFORCING			
		GLASS TYPE 'A'		GLASS TYPES 'B' & 'D'		GLASS TYPE 'C' *		GLASS TYPE 'C' *	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
54"	24"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
63"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
72"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
81"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
54"	36"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
63"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
72"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
81"		-	-	70.0	70.0	80.0	100.0	-	-
54"	48"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
63"		-	-	70.0	70.0	80.0	100.0	-	-
72"		-	-	70.0	70.0	80.0	100.0	-	-
81"		-	-	70.0	70.0	80.0	100.0	-	-
54"	60"	-	-	70.0	70.0	80.0	100.0	-	-
63"		-	-	70.0	70.0	80.0	100.0	-	-
72"		-	-	70.0	70.0	80.0	100.0	-	-
81"		-	-	70.0	70.0	80.0	100.0	-	-
54"	72"	-	-	-	-	80.0	97.8	-	-
63"		-	-	-	-	80.0	88.1	-	-
72"		-	-	-	-	80.0	81.2	80.0	100.0
81"		-	-	-	-	76.3	76.3	80.0	100.0
55-1/2"	26"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
79-3/4"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
83-1/4"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
55-1/2"	38-3/8"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
79-3/4"		-	-	70.0	70.0	80.0	100.0	-	-
83-1/4"		-	-	70.0	70.0	80.0	100.0	-	-
55-1/2"	50-5/8"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
79-3/4"		-	-	70.0	70.0	80.0	100.0	-	-
83-1/4"		-	-	70.0	70.0	80.0	100.0	-	-
55-1/2"	63"	-	-	70.0	70.0	80.0	100.0	-	-
79-3/4"		-	-	70.0	70.0	80.0	96.5	-	-
83-1/4"		-	-	70.0	70.0	80.0	95.0	-	-
55-1/2"	74"	-	-	-	-	80.0	92.3	-	-
79-3/4"		-	-	-	-	73.6	73.6	80.0	100.0
83-1/4"		-	-	-	-	72.0	72.0	80.0	100.0

WITH ADDL. ANCHOR  
AT MTG. STILE ENDS



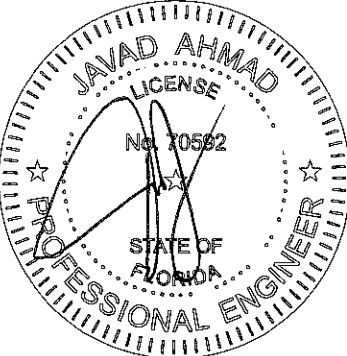
OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

XO OR OX

\*  
APPLIED SILL RISER (ITEM #25) REQUIRED WHEN  
EXT.(+) PRESSURE EXCEEDS 70.0 PSF ONLY.

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 17-0717.03  
Expiration Date Aug. 1, 2022  
By Manuel Perez  
Miami Dade Product Control



**af c**

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
(C.A.N. 3538)

S-200 STORMSAFE ALUM HORIZ. ROLLING WDW. (L.M.I.)

**SIW IMPACT WINDOWS, LLC.**  
975 S. CONGRESS AVE. #102  
DELRAY BEACH, FL. 33445  
TEL. (561) 274-9392 FAX. (561) 274-9262

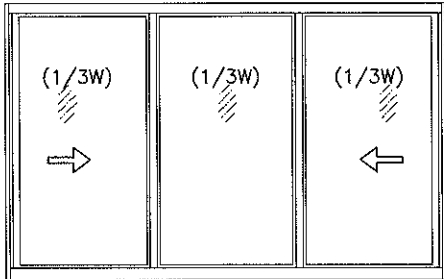
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no. date by description  
C 01.17.12 UPDATED TO 2010 FBC  
D 12.26.14 GENERAL REVISION  
E 06.01.15 NO CHANGE THIS SHEET  
F 05.03.17 EDITORIAL CHANGES

date: 04-24-07  
scale: -  
dr. by: TARIQ  
chk. by:

drawing no.  
**W07-28**  
sheet 3 of 8

DESIGN LOAD CAPACITY - PSF (XOX SIZES)									
WINDOW DIMS.		W/O STEEL REINFORCING				WITH STEEL REINFORCING			
		GLASS TYPE 'A'		GLASS TYPES 'B' & 'D'		GLASS TYPE 'C' *		GLASS TYPE 'C' *	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
72"	24"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
84"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
96"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
108"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
72"	36"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
84"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
96"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
108"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
72"	48"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
84"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
96"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
108"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
72"	60"	-	-	70.0	70.0	80.0	100.0	-	-
84"		-	-	70.0	70.0	80.0	100.0	-	-
96"		-	-	70.0	70.0	80.0	100.0	-	-
108"		-	-	70.0	70.0	80.0	100.0	-	-
72"	72"	-	-	-	-	80.0	100.0	-	-
84"		-	-	-	-	80.0	92.5	-	-
96"		-	-	-	-	80.0	84.1	-	-
108"		-	-	-	-	77.9	77.9	80.0	100.0
74"	26"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
106-1/4"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
111"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
74"	38-3/8"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
106-1/4"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
111"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
74"	50-5/8"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
106-1/4"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
111"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
74"	63"	-	-	70.0	70.0	80.0	100.0	-	-
106-1/4"		-	-	70.0	70.0	80.0	96.5	-	-
111"		-	-	70.0	70.0	80.0	94.2	-	-
74"	74"	-	-	-	-	80.0	98.1	-	-
106-1/4"		-	-	-	-	75.6	75.6	80.0	100.0
111"		-	-	-	-	73.5	73.5	80.0	100.0

WITH ADDL. ANCHOR  
AT MTG. STILE ENDS

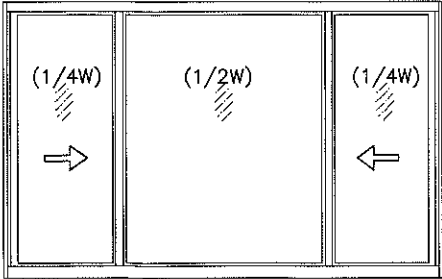


OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

XOX

DESIGN LOAD CAPACITY - PSF (XOX SIZES)									
WINDOW DIMS.		W/O STEEL REINFORCING				WITH STEEL REINFORCING			
		GLASS TYPE 'A'		GLASS TYPES 'B' & 'D'		GLASS TYPE 'C' *		GLASS TYPE 'C' *	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
72"	24"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
84"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
96"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
108"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
72"	36"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
84"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
96"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
108"		-	-	70.0	70.0	80.0	100.0	-	-
72"	48"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
84"		-	-	70.0	70.0	80.0	100.0	-	-
96"		-	-	70.0	70.0	80.0	100.0	-	-
108"		-	-	70.0	70.0	80.0	100.0	-	-
72"	60"	-	-	70.0	70.0	80.0	100.0	-	-
84"		-	-	70.0	70.0	80.0	100.0	-	-
96"		-	-	70.0	70.0	80.0	100.0	-	-
108"		-	-	70.0	70.0	80.0	100.0	-	-
72"	72"	-	-	-	-	80.0	97.8	-	-
84"		-	-	-	-	80.0	88.1	-	-
96"		-	-	-	-	80.0	81.2	80.0	100.0
108"		-	-	-	-	76.3	76.3	80.0	100.0
74"	26"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
106-1/4"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
111"		70.0	70.0	70.0	70.0	80.0	100.0	-	-
74"	38-3/8"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
106-1/4"		-	-	70.0	70.0	80.0	100.0	-	-
111"		-	-	70.0	70.0	80.0	100.0	-	-
74"	50-5/8"	70.0	70.0	70.0	70.0	80.0	100.0	-	-
106-1/4"		-	-	70.0	70.0	80.0	100.0	-	-
111"		-	-	70.0	70.0	80.0	100.0	-	-
74"	63"	-	-	70.0	70.0	80.0	100.0	-	-
106-1/4"		-	-	70.0	70.0	80.0	96.5	-	-
111"		-	-	70.0	70.0	80.0	95.0	-	-
74"	74"	-	-	-	-	80.0	92.3	-	-
106-1/4"		-	-	-	-	73.6	73.6	80.0	100.0
111"		-	-	-	-	72.0	72.0	80.0	100.0

WITH ADDL. ANCHOR  
AT MTG. STILE ENDS



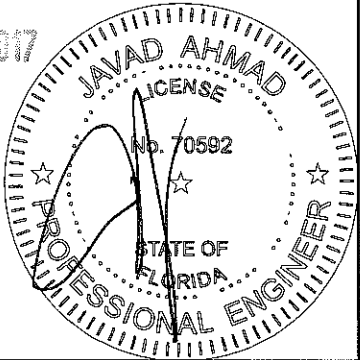
OPERATING VENTS TO BE 1/4 OF THE WINDOW WIDTH

XOX

\*  
APPLIED SILL RISER (ITEM #25) REQUIRED WHEN  
EXT.(+) PRESSURE EXCEEDS 70.0 PSF ONLY.

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 17-0717-03  
Expiration Date Aug 1, 2022  
By *Manuel Jery*  
Miami Dade Product Control



**af c**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
(C.A.N. 3538)

S-200 STORMSAFE ALUM. HORIZ. ROLLING WDW. (L.M.I.)  
**SW IMPACT WINDOWS, LLC.**  
975 S. CONGRESS AVE. #102  
DELRAY BEACH, FL. 33445  
TEL. (561) 274-9392 FAX. (561) 274-9262

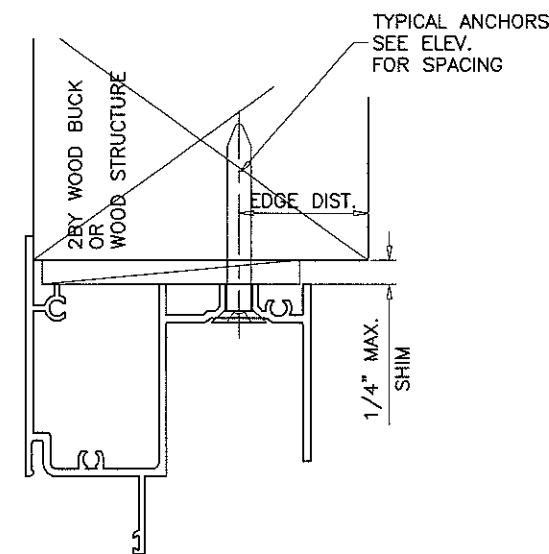
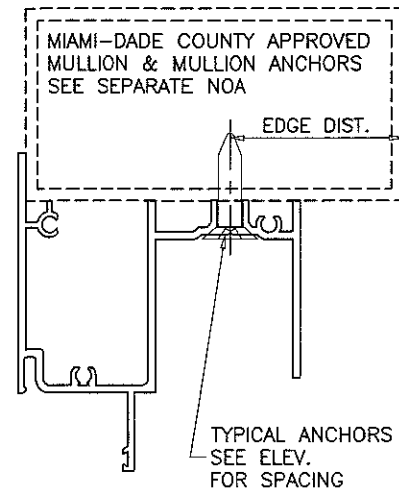
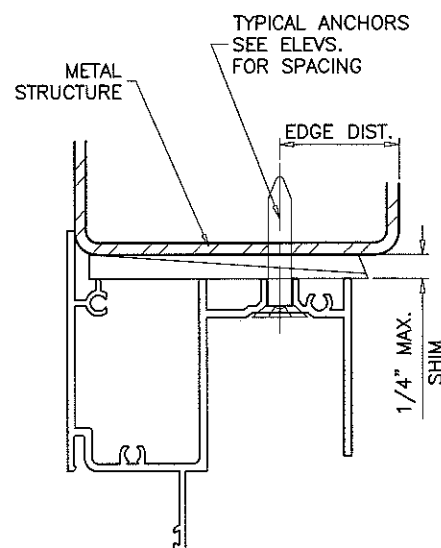
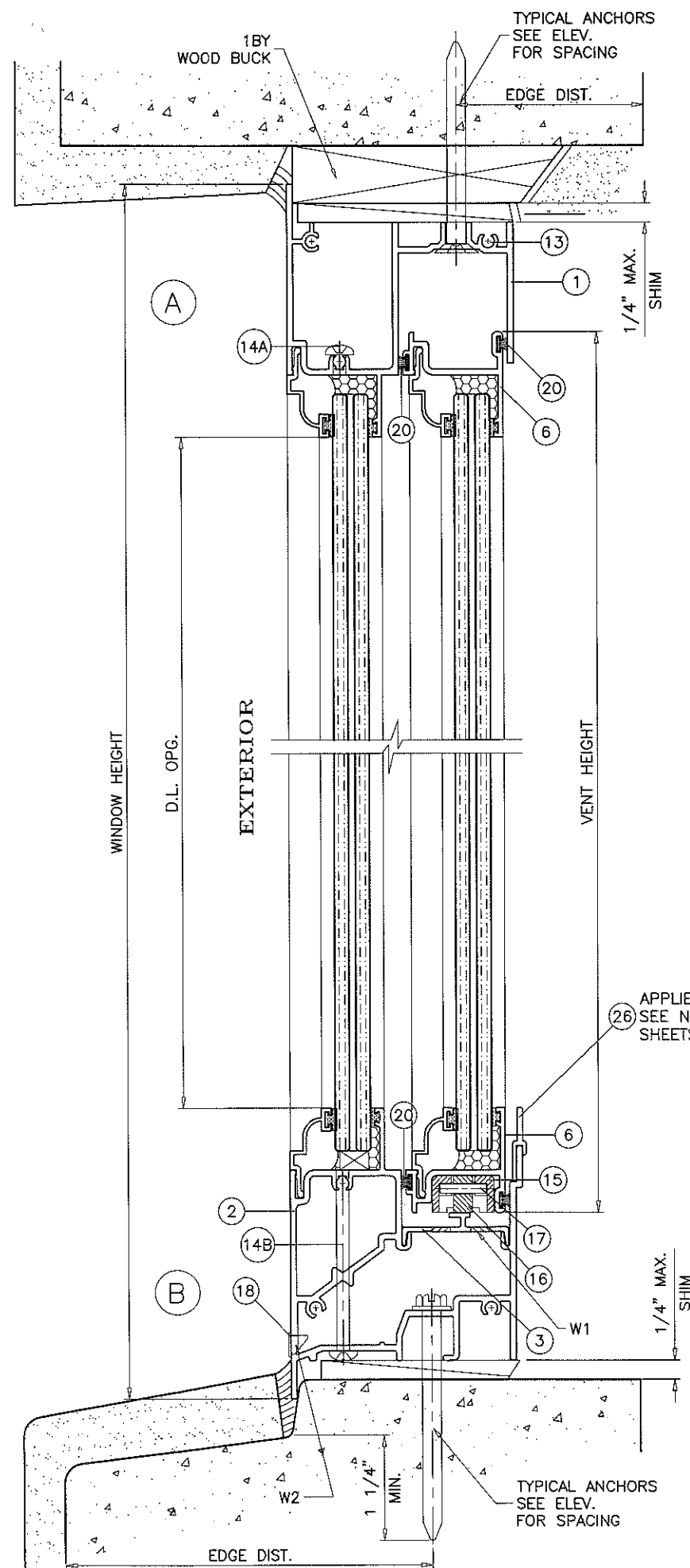
revisions:

no.	date	by	description
C	01.17.12		UPDATED TO 2010 FBC
D	12.26.14		GENERAL REVISION
E	06.01.15		NO CHANGE THIS SHEET
F	05.03.17		EDITORIAL CHANGES

date:	04-24-07
scale:	-
dr. by:	TARIQ
chk. by:	

drawing no.	W07-28
sheet	4 of 8





WOOD BUCKS AND METAL STRUCTURE NOT BY S.I.W. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

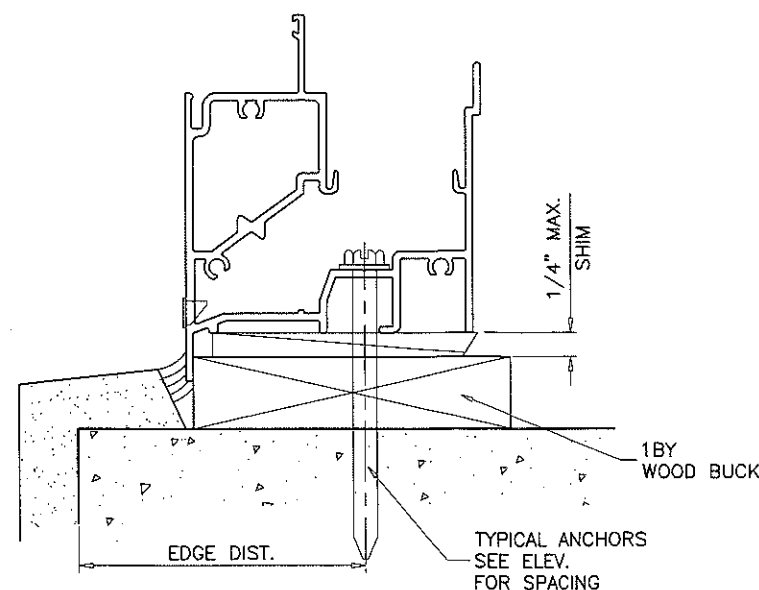
#### SEALANTS:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SILICONE OR ACRYLIC SEALANT.

#### WEEPHOLES:

- W1 = 1" X 1/4" WEEPHOLES IN PAIRS  
 (2) ON VENT AREA AT 2" FROM ENDS AND 26" O.C.  
 (4) UNDER FIX. LITE AT 18" O.C.
- W2 = 1-3/4" X 1/4" WEEPHOLES WITH NYLON BAFFLE  
 (2) ON VENT AREA AT 15" FROM ENDS AND 24" O.C.  
 (3) UNDER FIX. LITE AT 16" O.C.

26 APPLIED SILL RISER  
 SEE NOTE ON  
 SHEETS 2 THRU 4



**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
 1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY  
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

DIRECTLY INTO CONC. OR MASONRY  
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

**#14 SMS OR SELF DRILLING SCREWS** (GRADE 2 CRS)  
 INTO METAL STRUCTURES

STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)

ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

**#12 SMS OR SELF DRILLING SCREWS** (GRADE 2 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")  
 (NO SHIM SPACE)

#### TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 1-3/4" MIN.

INTO WOOD STRUCTURE = 1" MIN.

INTO METAL STRUCTURE = 1/2" MIN.

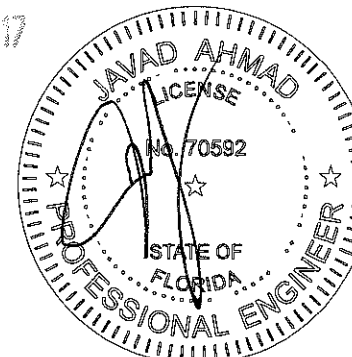
WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.

C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

JUL 07 2017

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 17-0717-03  
 Expiration Date Aug. 1, 2022  
 By *Mamuel*  
 Miami Dade Product Control

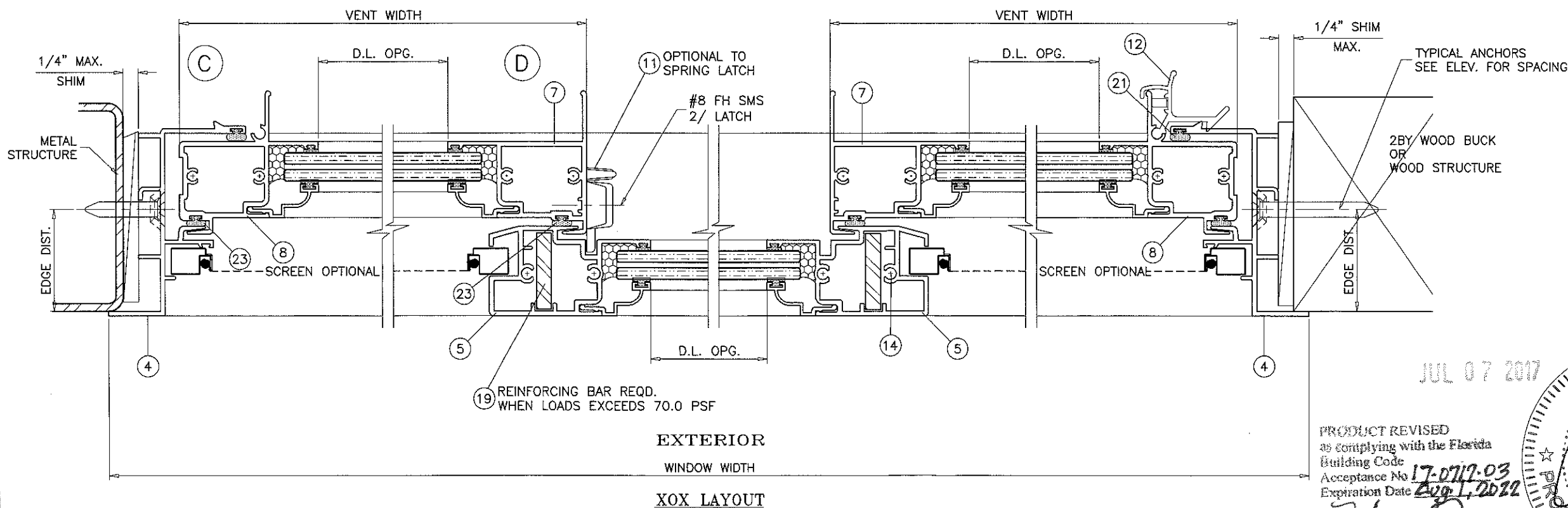
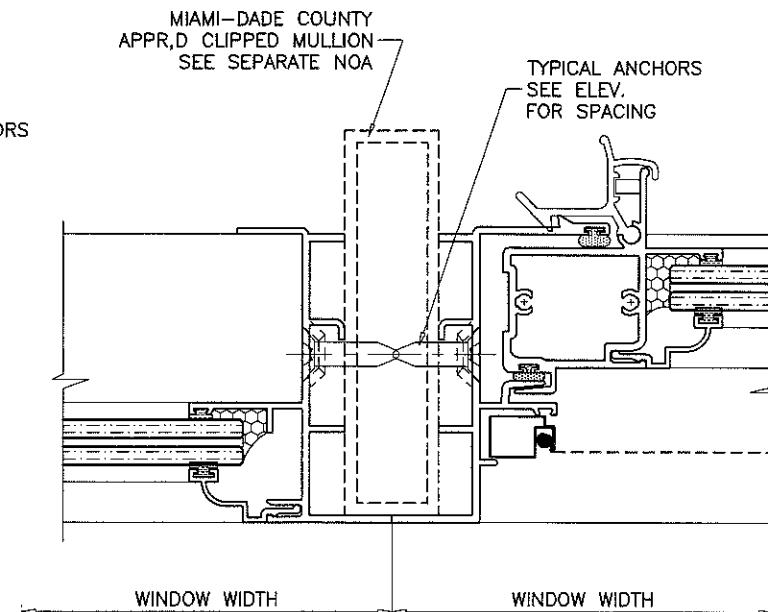
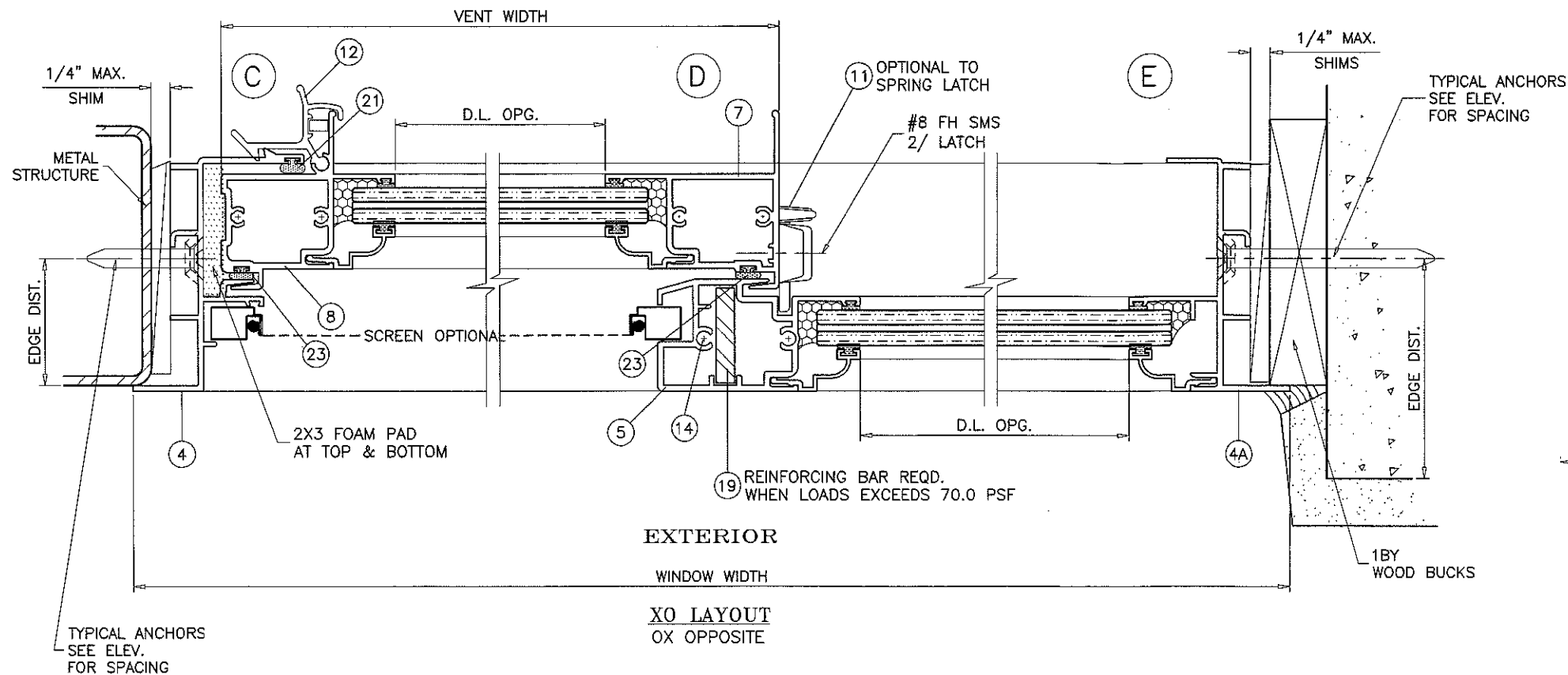


**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 9360 SUNSET DRIVE, SUITE 220  
 MIAMI, FLORIDA 33173  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL W07-28SIW

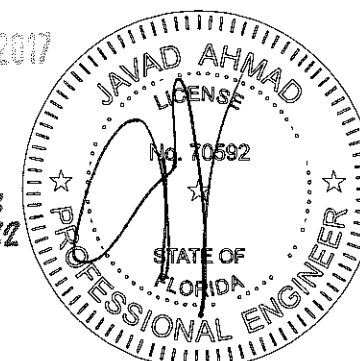
S-200 STORMSAFE ALUM HORIZ. ROLLING WDW. (L.M.I.)  
**SIW IMPACT WINDOWS, LLC.**  
 975 S. CONGRESS AVE. #102  
 DELRAY BEACH, FL. 33445  
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revisions:		by	description
no	date		
C	01.17.12		NO CHANGE THIS SHEET
D	12.26.14		GENERAL REVISION
E	06.01.15		REV. PER PER COMMENTS
F	05.03.17		EDITORIAL CHANGES

date: 04-24-07  
 scale: 1/2" = 1"  
 dr. by: TARIQ  
 chk. by:  
 drawing no.  
**W07-28**  
 sheet 5 of 8



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 17-0712-03  
Expiration Date Aug 1, 2022  
By *Muhammad Pury*  
Miami Dade Product Control



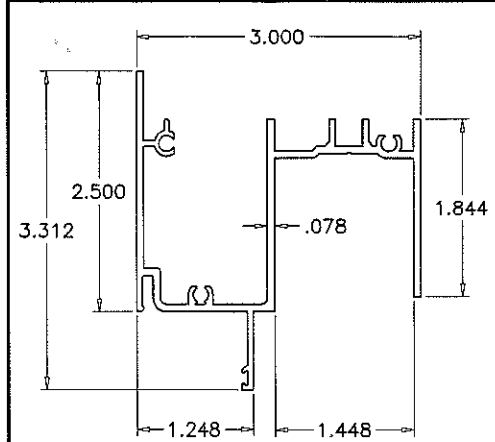
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**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W07-28SIW

S-200 STORMSAFE ALUM. HORIZ. ROLLING WDW. (L.M.I.)  
**SW IMPACT WINDOWS, LLC.**  
975 S. CONGRESS AVE. #102  
DELRAY BEACH, FL. 33445  
TEL. (561) 274-9392 FAX. (561) 274-9262

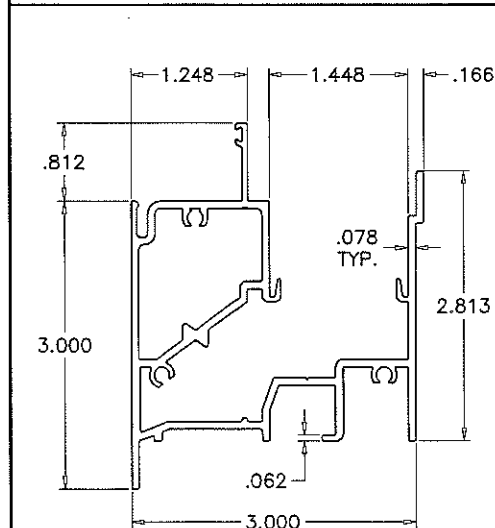
revisions:

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E	06.01.15		REV. PER PER COMMENTS
F	05.03.17		EDITORIAL CHANGES

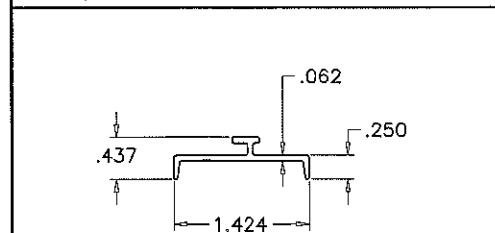
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dr. by:	TARIQ	chk. by:	
drawing no.		W07-28	
sheet		6 of 8	



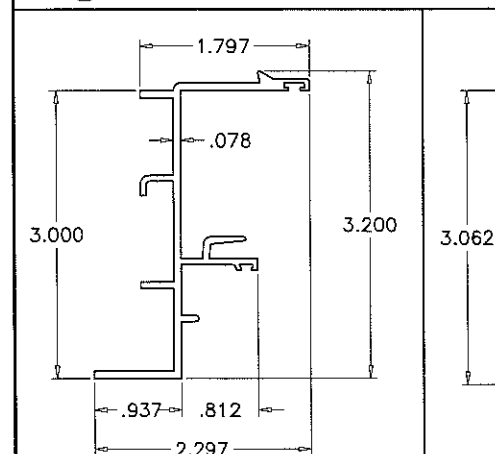
① FRAME HEAD



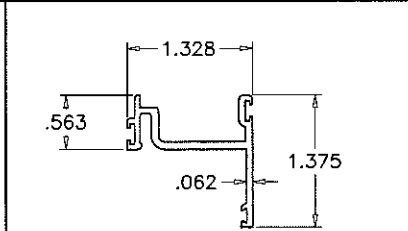
② FRAME SILL



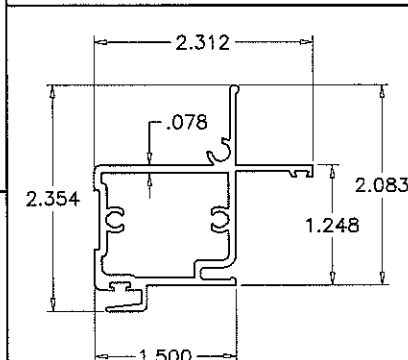
③ SILL TRACK



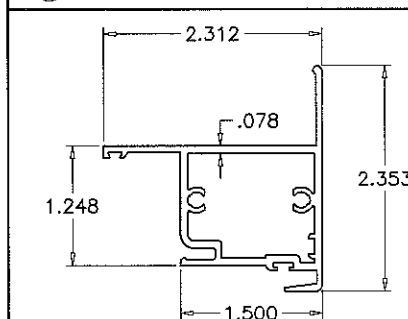
④ FRAME JAMB (VENT SIDE)



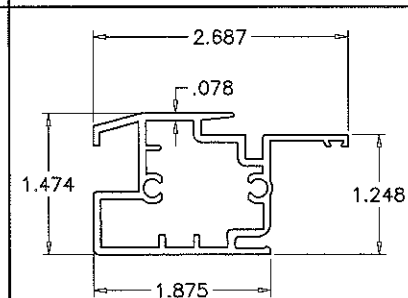
⑥ VENT TOP/BOTTOM RAIL



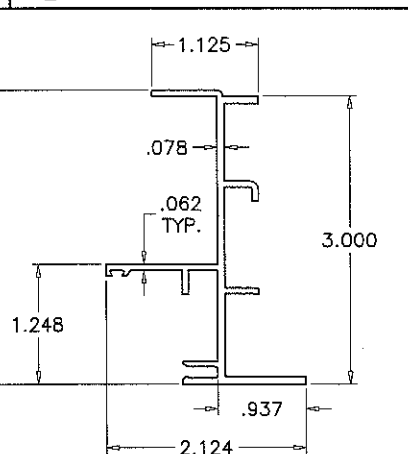
⑧ JAMB STILE



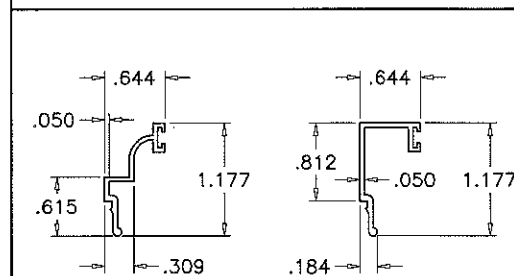
⑦ MEETING STILE



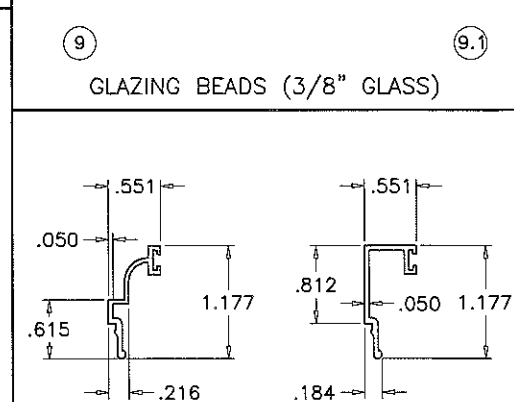
⑤ FIXED MTG. STILE



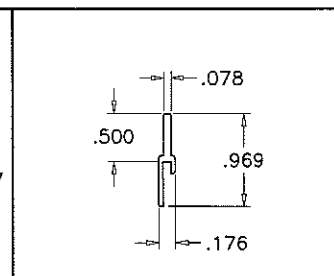
④A FRAME JAMB (FIX. SIDE)



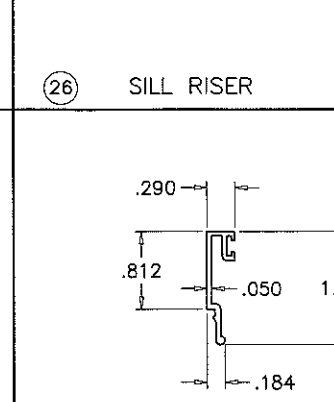
⑨ GLAZING BEADS (3/8" GLASS)



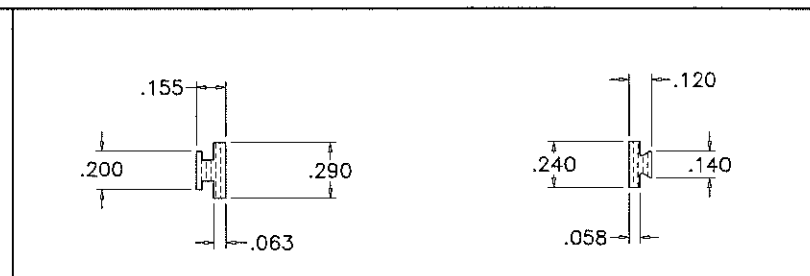
⑨A GLAZING BEADS (7/16" GLASS)



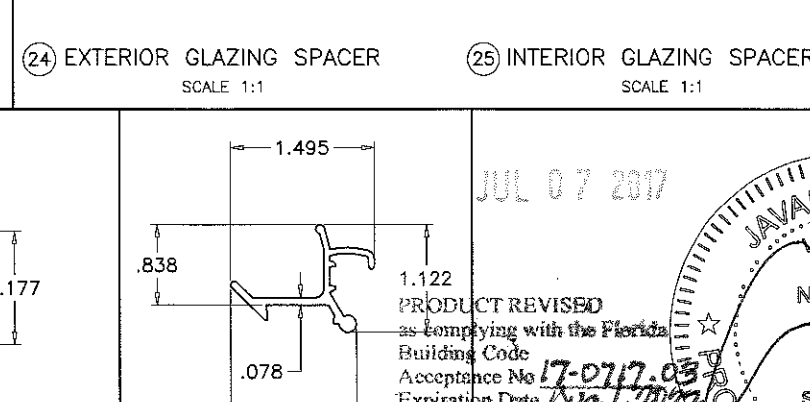
②6 SILL RISER



⑨B GLAZING BEAD (LAM. INSUL. GLASS)



②4 EXTERIOR GLAZING SPACER  
SCALE 1:1  
②5 INTERIOR GLAZING SPACER  
SCALE 1:1



⑫ SPRING LATCH

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SIW201	1	FRAME HEAD	6063-T6	-
2	SIW202	1	FRAME SILL	6063-T6	-
3	SIW213	1	SILL TRACK	6063-T6	-
4	SIW204	2	FRAME JAMB (VENT SIDE)	6063-T5	-
4A	SIW131	2	FRAME JAMB (FIX SIDE)	6063-T5	-
5	SIW206	1/ VENT	FIXED MTG. RAIL	6063-T5	-
6	SIW107	2/ VENT	VENT TOP & BOTTOM RAIL	6063-T5	-
7	SIW105	1/ VENT	VENT INTERLOCK	6063-T5	-
8	SIW106	1/ VENT	VENT JAMB STILE	6063-T6	-
9	SIW112	AS REQD.	GLAZING BEAD (3/8" GLASS)	6063-T5	-
9.1	SIW128	AS REQD.	ALT. GLAZING BEAD (3/8" GLASS)	6063-T5	-
9A	SIW108	AS REQD.	GLAZING BEAD (7/16" GLASS)	6063-T5	-
9.1A	SIW127	AS REQD.	ALT. GLAZING BEAD (7/16" GLASS)	6063-T5	-
9B	SIW117	AS REQD.	GLAZING BEAD (LAM. INSUL. GLASS)	6063-T5	-
11	2K356B22	2/ VENT	SWEEP LATCH, AT 15-1/2" FROM EACH END	-	MASSOUD & BROS. CO.
12	SIW109	2/ VENT	SPRING LATCH, AT 15-1/2" FROM EACH END	6063-T6	-
13	-	AS REQD.	FRAME & VENT ASSY SCREWS	-	#10 X 1-1/2" PH SMS
14A	-	2/ VENT	FIXED RAIL SCREW AT TOP	-	#12 X 1-1/2" PH SMS
14B	-	2/ VENT	FIXED RAIL SCREW AT BOTTOM	-	#12 X 4" PH SMS
15	SIW207	4/ VENT	ROLLER HOUSING & GUIDE	DELTRIN	-
16	SIW208	2/ VENT	ROLLER	-	BRASS OR ST. STEEL
17	SIW209	2/ VENT	ROLLER PIN	ST. STEEL	-
18	-	5/ WDW.	BAFFLE	NYLON	-
19	-	2/ LITE	SETTING BLOCK, DUROMETER 85±5 SHORE A	EPDM	-
20	W23201NG	AS REQD.	TOP & BOTTOM RAIL W'STRIPPING	-	ULTRAFAB OE EQUIV.
21	9302BL	AS REQD.	FRAME JAMB W'STRIPPING	POLYPROPYLENE	CENTRAL PLASTICS
22	-	OPTIONAL	SCREEN	-	5/16" BOX
23	U4513	AS REQD.	BULB W'STRIPPING	-	SCHLEGEL
24	5531	AS REQD.	EXTERIOR GLAZING SPACER, DUROMETER 70±5 SHORE A	SANTOPRENE	CENTRAL PLASTICS
25	5530	AS REQD.	INTERIOR GLAZING SPACER, DUROMETER 70±5 SHORE A	SANTOPRENE	CENTRAL PLASTICS
26	SIW211	AS REQD.	SILL RISER	6063-T5	-

afC

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL W07-28SIW

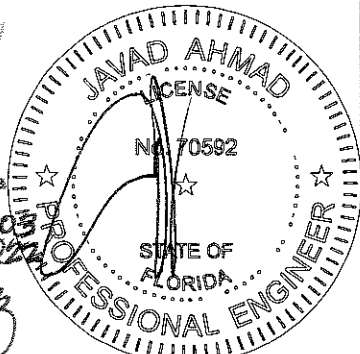
S-200 STORMSAFE ALUM HORIZ. ROLLING WDW. (L.M.I.)  
**SIW IMPACT WINDOWS, LLC.**  
975 S. CONGRESS AVE. #102  
DELRAY BEACH, FL. 33445  
TEL. (561) 274-9392 FAX. (561) 274-9262

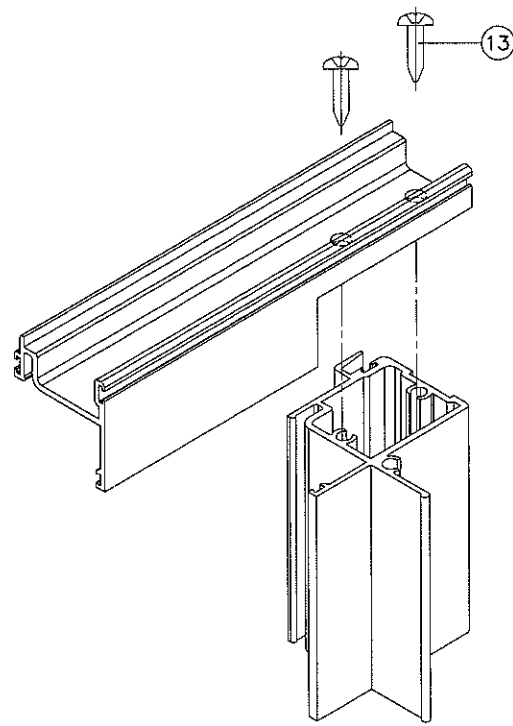
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	D	12.28.14	GENERAL REVISION	
	E	06.01.15	NO CHANGE THIS SHEET	
	F	05.03.17	EDITORIAL CHANGES	

date: 04-24-07  
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dr. by: TARIO  
chk. by:  
drawing no.  
**W07-28**  
sheet 7 of 8

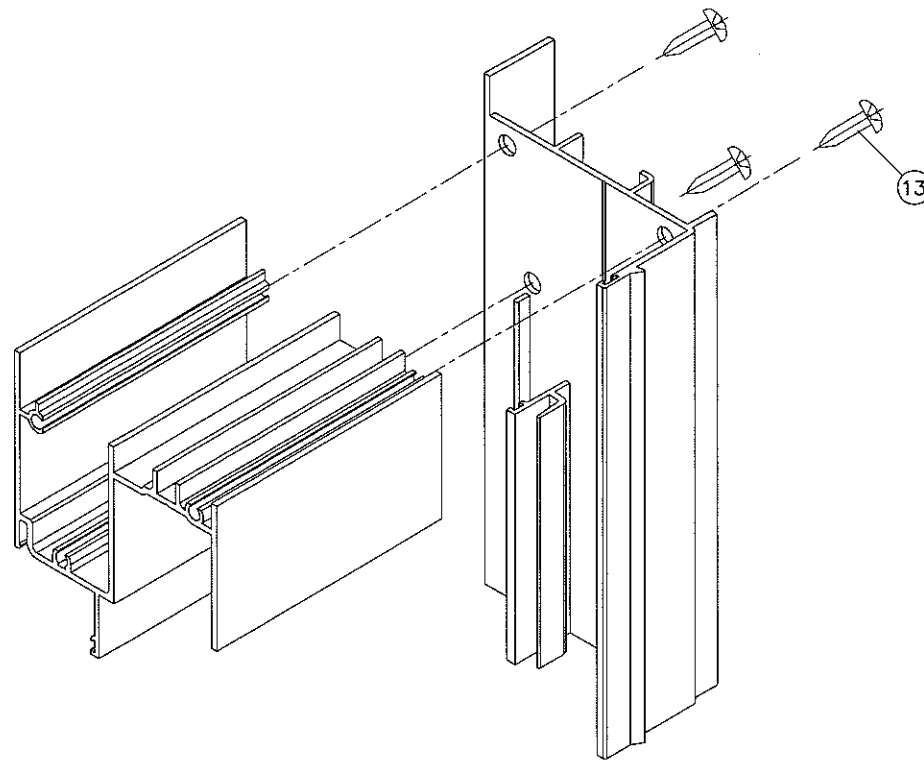
JUL 07 2017

1.122  
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as complying with the Florida  
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Expiration Date 12/31/2020  
By *Manuel Perry*  
Miami Trade Product Control

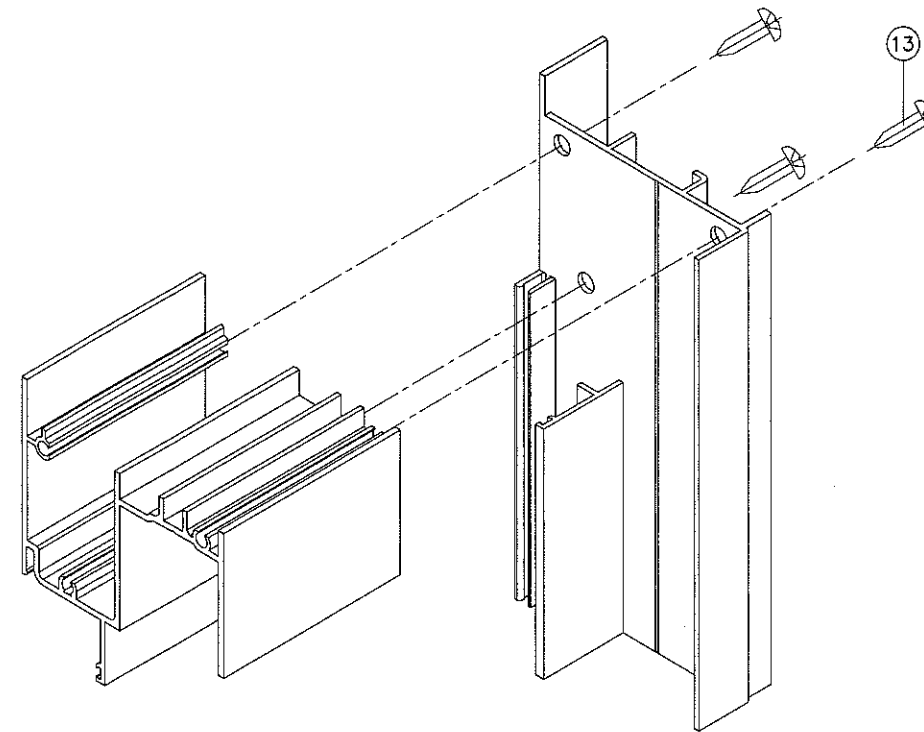




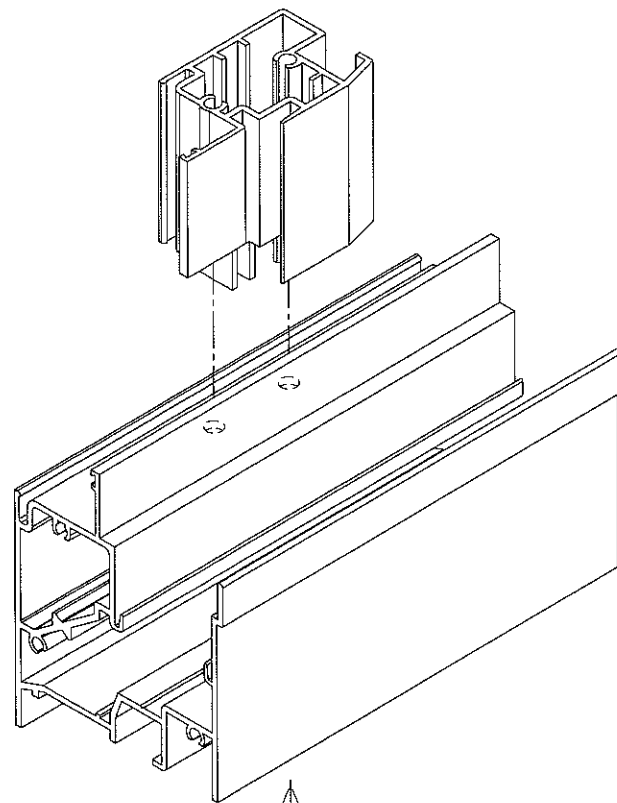
VENT TOP/BOTTOM CORNERS



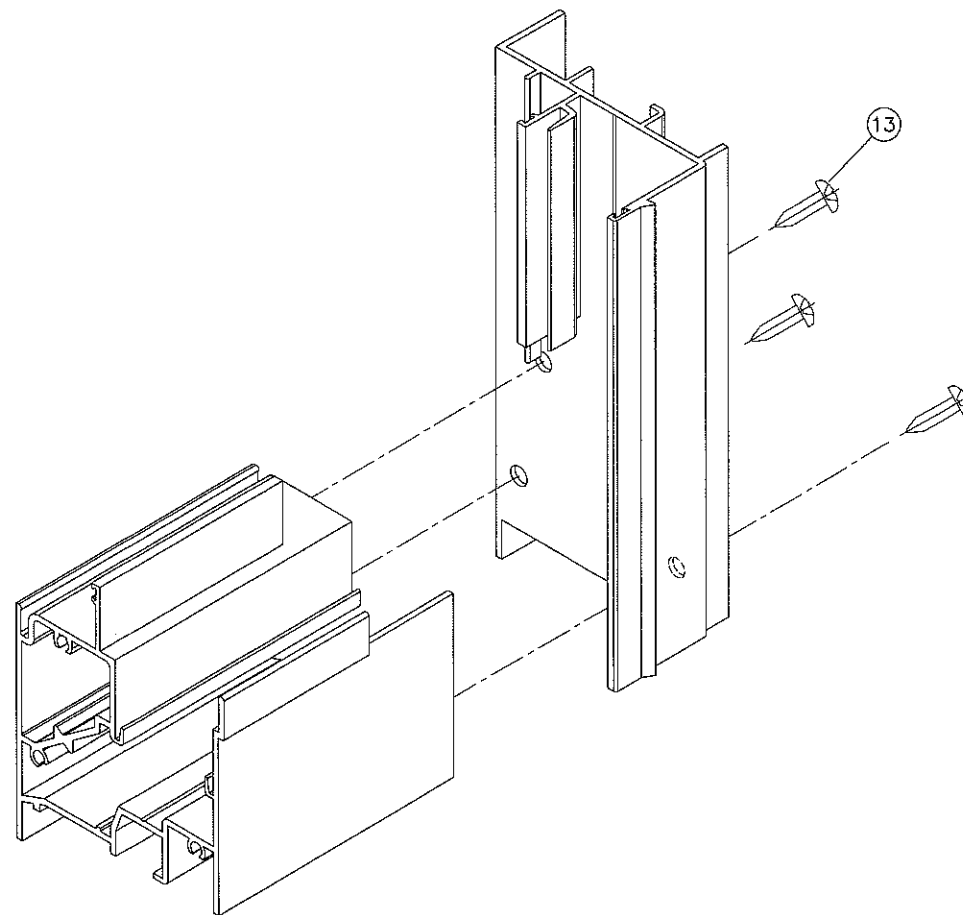
FRAME TOP CORNER



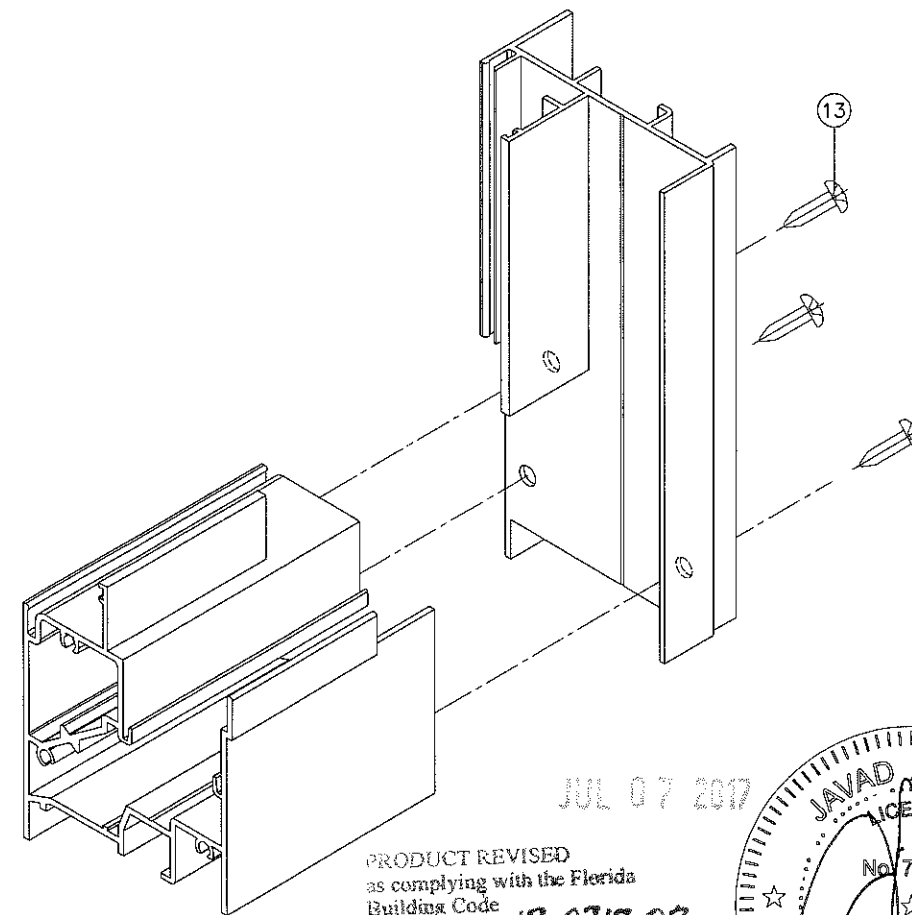
FRAME TOP CORNER



FIXED MTG. RAIL CORNER

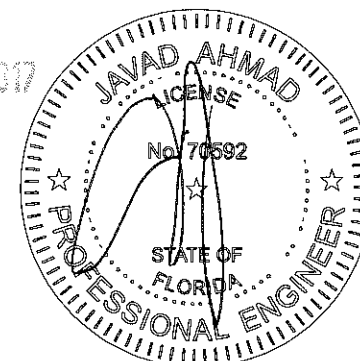


FRAME BOTTOM CORNER  
AT MOVING END



FRAME BOTTOM CORNER  
AT FIXED END

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 17-0717.03  
Expiration Date 07-01-2022  
By *Manuel Perez*  
Miami Dade Product Control



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W07-28

sheet 8 of 8

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9360 SUNSET DRIVE, SUITE 220  
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